

Single Phase Hybrid Inverter

Onduleur hybride monophasé

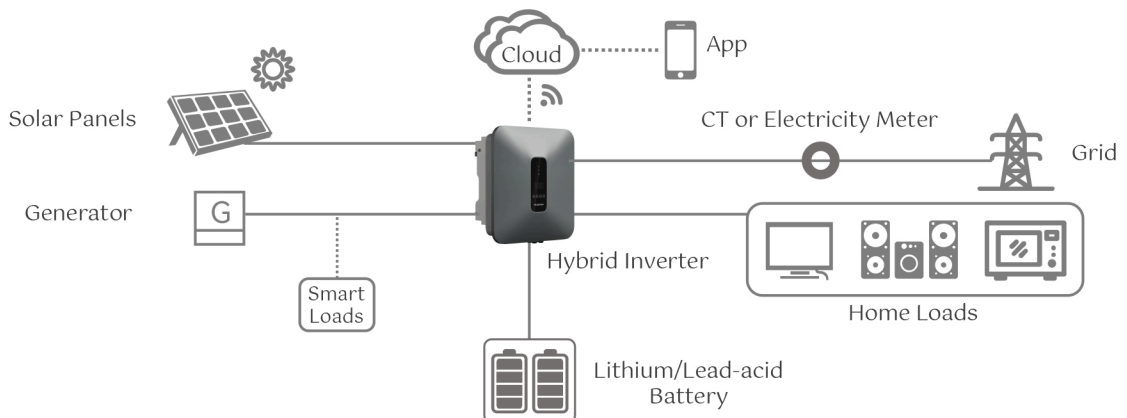


HN3KS
HN3K6S
HN4KS
HN5KS
HN6KS

- Wide MPPT Range
- 2 MPPT trackers
- Type III SPD both on DC&AC side
- 19A MPPT input current per string
- IP66 protection level
- Integrated and concise design

System Diagram

MAXHUB



Specifications

Model	HN3KS-AH2	HN3K6S-AH2	HN4KS-AH2	HN5KS-AH2	HN6KS-AH2
PV Input					
Max. PV Input Power(kW)	4.5	5.5	6	7.5	9
Max. PV Open Circuit Voltage(V)			550		
MPPT Range@Operating Voltage(VDC)			80~520		
Full Power MPPT Voltage Range(VDC)	117~500V	145~500V	158~500V	197~500V	250~500V
Start-up Voltage(VDC)			90		
Max. Input Current per MPPT(A)			19/19		
Max. Short-circuit Current(A)			25/25		
MPPT Tracker/Strings			2/1		
Nominal Input Voltage(V)			360		
AC Output(On-Grid)					
Nominal Output Power to Grid(kW)	3	3.68	4	5	6
Max. Apparent Power to Grid(kVA)	3	3.68	4	5	6
Max. Apparent Power from Grid(kVA)	3	3.68	4	5	6
Max. Apparent Current from Grid(A)	13.1	16.0	17.4	21.8	26.1
Nominal Output Current from Grid(A)	13.1	16.0	17.4	21.8	26.1
Max. Output Current to Grid(A)	13.1	16.0	17.4	21.8	26.1
Nominal Voltage/Frequency		230V(176V~280V), 50/60Hz, L+N+PE			
Adjustable Power Factor		0.8leading~0.8lagging			
THDI		<2%			
AC Output(BackUp)					
Nominal Output Power(kW)	3	3.68	4	5	6
Max. Apparent Power(kVA)	3	3.68	4	5	6
Nominal Output Current(A)	13.1	16.0	17.4	21.8	26.1
Max. Output Current(A)	13.1	16.0	17.4	21.8	26.1
Nominal Voltage/Frequency		230V(176V~238V), 50/60Hz, L+N+PE			
Automatic Switch Time(ms)		<20			
THDu		<2%			
Overload Capacity		110%,30s/120%,10s/150%,0.02s			
Efficiency					
Max. Efficiency			98%		
Europe Efficiency			97.50%		
MPPT Efficiency			99.00%		
Max. Battery Charge/Discharge Efficiency			94.60%		
Battery					
BatteryVoltage Range(V)			40~60		
Recommended Battery Voltage(V)			48		
Max. Charging Voltage(V)			60		
Max. Charging/Discharging Current(A)	80/80	80/80	80/80	120/120	120/120
BatteryType		Lithium and Lead Acid Battery			
Protection					
DC Switch			Yes		
DC Reverse Polarity Protection			Yes		
DC/AC Surge Protection			Type III/Type III		
AC Overvoltage Protection			Yes		
AC Short-circuit Protection			Yes		
Ground Fault Monitoring			Yes		
Anti-islanding Protection			Yes		
Residual-current Monitoring			Yes		
Insulation Resistance Monitoring			Yes		
Peak/Valley Time Setting			Yes		
General Data					
HMI			LCD & APP		
BMS			RS485; CAN		
EMS/Meter			RS485		
Communication			WiFi(standard)/GPRS(opt)/4G(opt)		
Ingress Protection			IP66		
Operating Temperature Range			-25~60°C		
Relative Humidity			0~95%(Non-condensing)		
Max. Operating Altitude			4000m(Derating above 3000m)		
Cooling			Natural		
Noise Emission			≤29dB		
Dimensions(W*H*D)			485*527*230mm		
Net Weight(kg)	22	22	23	24	24
Self-consumption(W)			<10		
Standard Compliance					
Safety Regulation			IEC/EN62109-1/-2		
EMC			IEC/EN61000-6-1/-2/-3		
GridRegulation			Europe: EN50549, South Africa: NRS097-2-1:2017, Belgium: C10/11		

MAXHUB

scannez ce qr-code pour
retrouver MAXHUB
sur notre site Secondway



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